

Datasheet: MCA1968F

BATCH NUMBER 130515

Description:	MOUSE ANTI HUMAN CD154:FITC
Specificity:	CD154
Other names:	CD40 LIGAND, TRAP
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	MK13A4
Isotype:	IgG1
Quantity:	100 TESTS

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/20
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Buffer Solution	Tris buffered saline		
Preservative	0.02% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
External Database Links	UniProt:		

[P29965](#) [Related reagents](#)

Entrez Gene:

[959](#) CD40LG [Related reagents](#)

Synonyms	CD40L, TNFSF5, TRAP
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RRID	AB_323214
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Specificity	<p>Mouse anti Human CD154 antibody, clone MK13A4 recognizes the human CD154 cell surface antigen, a 32 kDa glycoprotein also known as CD40 ligand. CD154 is expressed on activated T lymphocytes, predominantly CD4+ve cells and also on some basophils and mast cells.</p> <p>Mouse anti Human CD154 antibody, clone MK13A4 has been reported to block binding of CD40 ligand to its receptor CD40.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	<ol style="list-style-type: none">1. Koumas, L. <i>et al.</i> (2001) Fibroblast heterogeneity: existence of functionally distinct Thy 1(+) and Thy 1(-) human female reproductive tract fibroblasts. Am J Pathol. 159 (3): 925-35.2. Kaufman, J. <i>et al.</i> (2004) Expression of CD154 (CD40 ligand) by human lung fibroblasts: differential regulation by IFN-gamma and IL-13, and implications for fibrosis. J Immunol. 172:1862-713. Arita, S. <i>et al.</i> (2008) B cell activation regulates exosomal HLA production. Eur J Immunol. 38 (5): 1423-34.4. Deambrosis, I. <i>et al.</i> (2009) Inhibition of CD40-CD154 costimulatory pathway by a cyclic peptide targeting CD154. J Mol Med (Berl). 87 (2): 181-97.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10058 available at: https://www.bio-rad-antibodies.com/SDS/MCA1968F 10058
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M366022:200529'

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